CONSTRUCTION TRAINING AND QUALIFICATION MANUAL TABLE OF CONTENTS

Effective: July 1, 2002

CHAPTER 1 CONSTRUCTION TRAINING AND QUALIFICATION ADMINISTRATION

1.1 1.2 1.3 1.4 1.5 1.6 1.7	AUTHOR SCOPE DISTRIBI BACKGR DEFINITI CONSTR	EUTYUTIONOUNDONSONS	1-1 1-1 1-1 1-2 1-4
1.8 1.9		NS AND ADDITIONS NES	
ATTA	CHMENT	1-1 – PROCTORING RESPONSIBILITIES	
CHAP	PTER 2	AGGREGATE TECHNICIAN TRAINING AND QUALIFICTION PROGRAM	
2.1 2.2 2.3 2.4 2.5 2.6	AUTHOR REFERE BACKGR QUALIFIC QUALIFIC IMPLEME	E	2-1 2-1 2-2 2-2
QUAL ATTA QUAL ATTA FLOW ATTA ATTA COUF ATTA	IFICATION CHMENT IFICATION CHMENT CHMENT CHMENT CHMENT CHMENT RSE	2-1 – AGGREGATE FIELD TESTING TECHNICIAN N FLOWCHART 2-2 – AGGREGATE LAB TESTING TECHNICIAN N FLOWCHART 2-3 – QUALIFIED SAMPLER TECHNICIAN QUALIFICATION 2-4 – LBR QUALIFICATION FLOWCHART 2-5 – AGGREGATE CHEMICAL ANALYST QUALIFICATION 2-6 – AGGREGATE FIELD TESTING TECHNICIAN TRAINING 2-7 – AGGREGATE LABORATORY TESTING TECHNICIAN	

Table of Contents

Effective: July 1, 2002

CHAPTER 3 ASPHALT INSPECTION TRAINING AND QUALIFICATION PROGRAM

3.1 3.2 3.3 3.4 3.5 3.6	PURPOSE	. 3-1 . 3-1 . 3-1 . 3-2 3-10
3.7	RESPONSIBILITIES	3-11
FLOW	CHMENT 3-1 – ASPHALT PAVING LEVEL I QLIFICATION CHART CHMENT 3-2 – ASPHALT PAVING LEVEL II QUALIFICATION	
FLOW	CHART	
ATTA	CHMENT 3-3 – ASPHALT PLANT LEVEL I QUALIFICATION	
FLWC	CHART	
ATTA	CHMENT 3-4 – ASPHALT PLANT LEVEL II QUALIFICATION	
FLOW	CHART	
	CHMENT 3-5 – ASPHALT MIX DESIGNER QUALIFICATION	
	CHART	
	CHMENT 3-6 – ASPHALT PAVING LEVEL I TRAINING COURSE	
	CHMENT 3-7 – ASPHALT PLANT LEVEL I TRAINING COURSE	
ATTA	CHMENT 3-8 – ASPHALT PLANT LEVEL I COURSE PROFICIENCY	
	INATION	
ATTA	CHMENT 3-9 – ASPHALT MIX DESIGNER COURSE	
ATTA	CHMENT 3-10 – CTQP QUALIFICATION BY JOB FUNCTION ASPHALT	
CHAF	TER 4 CONCRETE TRAINING AND QUALIFICTION PROGRAM	
4.1	PURPOSE	11
4.1	AUTHORITY	
4.2	REFERENCE	
4.3	BACKGROUND	
4.4	QUALIFICATIONS AND TRAINING COURSES	
4.6	QUALIFICATIONS AND TRAINING COURSESQUALIFICATION REQUIREMENTS BY JOB FUNCTION AND	. 4-2
1 .U	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND	

Table of Contents 2

4.7

Table of Contents Effective: July 1, 2002

ATTACHMENT 4-1 - CONCRETE FIELD TECHNICIAN LEVEL I

QUALIFICATION FLOWCHART

ATTACHMENT 4-2 - CONCRETE FIELD TECHNICIAN LEVEL II

QUALIFICATION FLOWCHART

ATTACHMENT 4-3 – CONCRETE LABORATORY TECHNICIAN LEVEL I

QUALIFICATION FLOWCHART

ATTACHMENT 4-4 - CONCRETE LABORATORY TECHNICIAN LEVEL II

QUALIFICATION FLOWCHART

ATTACHMENT 4-5 - CONCRETE BATCH PLANT OPERATION

QUALIFICATION FLOWCHART

ATTACHMENT 4-6 – ACI CONCRETE FIELD TESTING TECHNICIAN GRADE I CERTIFICATION TRAINING COURSE

ATTACHMENT 4-7 – ACI CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR (CTCI) REQUIREMENTS

ATTACHMENT 4-8 – ACI CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR (CTCI) TRAINING COURSE

ATTACHMENT 4-9 –ACI CONCRETE STRENGTH TESTING TECHNICIAN CERTIFICATION COURSE

ATTACHMENT 4-10 – ACI CONCRETE LABORATORY TESTING TECHNICIAN GRADE I TRAINING COURSE

ATTACHMENT 4-11 – ACI CONCRETE LABORATORY TESTING TECHNICIAN GRADE II TRAINING COURSE

ATTACHMENT 4-12 – CTQP QUALIFICATION BY JOB FUNCTION CONCRETE

CHAPTER 5 EARTHWORK TRAINING AND QUALIFICATION PROGRAM

5.1	PURPOSE	5-1
5.2	AUTHORITY	5-1
	BACKGROUND	
5.4	QUALIFICATIONS	5-1
5.5	PREVIOUS DEIT QUALIFICATION	5-5
5.6	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND	
	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND IMPLEMENTATION SCHEDULEREQUALIFICTION	5-6
5.7	REQUALIFICTION	5-6
5.8	DEPARTMENT RESPONSIBILITIES	5-6

ATTACHMENT 5-1 – EARTHWROK INSPECTION LEVEL I QUALIFICATION FLOWCHART

ATTACHMENT 5-2 – EARTHWORK INSPECTION LEVEL II QUALIFICATION FLOWCHART

ATTACHMENT 5-3 – ECI LEVEL I TRAINING COURSE

ATTACHMENT 5-4 - ECI LEVEL II TRAINING COURSE

ATTACHMENT 5-5 – CTQP QUALIFICATION BY JOB FUNCTION EARTHWORK

Table of Contents 3

CHAPTER 6 GEOTECHNICAL TRAINING PROGRAM

6.1	PURPOSE	6-1
6.2	AUTHORITY	
6.3	BACKGROUND	6-1
6.4	QUALIFICTIONS	6-2
6.5	PREVIOUS PDIT/DSIT QUALIFICATION	6-5
6.6	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND	
	IMPLEMENTATION SCHEDULE	6-5
6.7	REQUALIFICTION PDIT/DSIT COURSES	
6.8	ADMINISTRATION OF MSE WALL TRAINING COURSE	
6.9	DEPARTMENT RESPONSIBILITIES	
СНАР	TER 7 QUALITY MANAGEMENT	
U 11,7 (1		
7.1	PURPOSE	7-1
7.2	AUTHORITY	7-1
7.3	BACKGROUND	
7.4	COURSES AND QUALIFICATIONS	7-1
7.5	SUSPENSION OF A QUALITY CONTROL (QC) MANAGER	7-3
7.6	QUALIFICATION REQUIREMENTS BY JOB JUNCTION AND	
	IMPLEMENTATION SCHEDULE	7-5
7.7	REQUALFICATION	7-5
7.8	TASKS BY RESPONSIBLE OFFICE	7-5
7.9	DEPARTMENT RESPONSIBILITIES	
ATTA	CHMENTS 7-1 – QUALITY ORIENTATION FLOWCHART	
	CHMENTS 7-2 – QUALITY CONTROL MANAGER QUALIFICATION	
	/CHART	
ATTA	CHMENTS 7-3 – QUALITY ORIENTATION TRAINING COURSE	
	CHMENTS 7-4 – QUALITY CONTROL MANAGER TRAINING COURSE	
	CHMENTS 7-5 – QUALITY ORIENTATION COURSE BY JOB FUNCTION	
CHAP	TER 8 STRUCTURES TRAINING AND QUALIFICATION PROGRAM	
8.1	PURPOSE	8-1
8.2	AUTHORITY	
8.3	BACKGROUND	
8.4	GROUTING TECHNICIAN TRAINING & QUALIFICATION PROGRAM	
8.5	POST-TENSTION TECH TRAINING & QUALIFICATION PROGRAM	
8.6	GROUTING & POST-TENSIONING TRAINING ACCREDITATION	
8.7	DEPARTMENT RESPONSIBILITIES	
J.,		٠,

Effective: July 1, 2002

Table of Contents 4

ATTACHMENT 8-1 – QUALIFICATION BY JOB FUNCTION

CHAPTER 9 FINAL ESTIMATES TRAINING AND QUALIFICATIONS PROGRAM

9.1	PURPOSE	9-1
9.2	AUTHORITY	9-1
9.3	BACKGROUND	9-1
9.4	QUALIFICATIONS	9-1
9.5	QUALIFICATION REQUIREMENTS BY JOB FUNCTION AND	
	IMPLEMENTATION SCHEDULE	9-6
9.6	REQUALIFICATION	9-6
9.7	FINAL ESTIMATES QUALIFICATION SUSPENSIONS	9-6
9.8	FINAL ESTIMATES DISQUALIFICATION	9-7
9.9	FINAL ESTIMATES RESPONSIBILITIES	9-7

Effective: July 1, 2002

ATTACHMENT 9-1 – FINAL ESTIMATES LEVEL I TRAINING COURSE ATTACHMENT 9-2 – FINAL ESTIMATES LEVEL II TRAINING COURSE ATTACHMENT 9-3 – CTQP QUALIFICATION BY JOB FUNCTION

Table of Contents 5